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| Substitute for form 1449A/PTO | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) NOV 29 2001 PATENT & TRADEMARK OFFICE | | Application Number | 09/893,321 |
| | | Filing Date | 06/27/01 |
| | | First Named Inventor | Walke |
| | | Group Art Unit | 1650 1647 |
| | | Examiner Name | To be assigned LA/IDMAN |
| Sheet 1 of 3 | Attorney Docket Number | LEX-0195-USA | |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|-----------------------|----------------------|-----------------------------------|---|--|---|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number | Kind Code ² (if known) | | | |
| PK | AA | 4,215,051 | | Schroeder et al | 07/29/80 | |
| | AB | 4,376,110 | | David et al | 03/08/83 | |
| | AC | 4,594,595 | | Struckman | 06/10/86 | |
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| | AJ | 5,424,186 | | Fodor et al | 06/13/95 | |
| | AK | 5,445,934 | | Fodor et al | 08/29/95 | |
| | AL | 5,459,127 | | Felgner et al | 10/17/95 | |
| | AM | 5,556,752 | | Lockhart et al | 09/17/96 | |
| | AN | 5,700,637 | | Southern | 12/23/97 | |
| | AO | 5,744,305 | | Fodor et al | 04/28/98 | |
| | AP | 5,830,721 | | Stemmer et al | 11/03/98 | |
| | AQ | 5,837,458 | | Minshull et al | 11/17/98 | |
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| | AU | 6,075,181 | | Kucherlapati et al | 06/13/00 | |
| | AV | 6,110,490 | | Thierry | 08/29/00 | |
| ✓ | AW | 6,150,584 | | Kucherlapati et al. | 11/21/00 | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|-----------------------|-------------------------|---------------------|-----------------------------------|---|--|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ³ |
| | | Office ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| PK | AX | WO | 99/42580 | A2 | Smithkline Beecham Corporation | 08/26/99 | Figures Appear | |
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| Examiner Signature | <i>Robert</i> | Date Considered | 3/4/03 |
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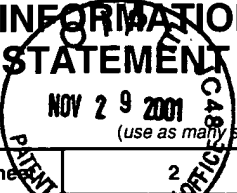
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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use as many sheets as necessary) | | Application Number | 09/893,321 |
| | | Filing Date | 06/27/01 |
| | | First Named Inventor | Walke |
| | | Group Art Unit | 4655 1647 |
| | | Examiner Name | To be assigned LANDSMAN |
| | | Attorney Docket Number | LEX-0195-USA |
| Sheet | 2 | of | 3 |

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | | |
|---|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| BZ | AY | Bird et al, 1988, "Single-Chain Antigen-Binding Proteins", Science 242:423-426. | |
| | AZ | Bitter et al, 1987, "Expression and Secretion Vectors for Yeast", Methods in Enzymology 153:516-544. | |
| | BA | Colbere-Garapin et al, 1981, "A New Dominant Hybrid Selective Marker for Higher Eukaryotic Cells", J. Mol. Biol. 150:1-14. | |
| | BB | Gautier et al, 1987, "α-DNA IV: α-anomeric and β-anomeric tetrathymidylates covalently linked to intercalating oxazolopyridocarbazole. Synthesis, physiochemical properties and poly (rA) binding", Nucleic Acids Research 15(16):6625-6641. | |
| | BC | Gordon, 1989, "Transgenic Animals", International Review of Cytology, 115:171-229. | |
| | BD | Greenspan et al, 1993, "Idiotypes: structure and immunogenicity", FASEB Journal 7:437-444. | |
| | BE | Gu et al, 1994, "Deletion of a DNA Polymerase β Gene Segment in T Cells Using Cell Type-Specific Gene Targeting", Science 265:103-106. | |
| | BF | Huse et al, 1989, "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda", Science 246:1275-1281. | |
| | BG | Huston et al, 1988, "Protein engineering of antibody binding sites: Recovery of specific activity in an anti-digoxin single-chain Fv analogue produced in Escherichia coli", Proc. Natl. Acad. Sci. USA 85:5879-5883. | |
| | BH | Inoue et al, 1987, "Sequence-dependent hydrolysis of RNA using modified oligonucleotide splints and RNase H", FEBS Letters 215(2):327-330. | |
| | BI | Inoue et al, 1987, "Synthesis and hybridization studies on two complementary nona(2'-O-methyl)ribonucleotides", Nucleic Acids Research 15(15):6131-6149. | |
| | BJ | Inouye & Inouye, 1985, "Up-promoter mutations in the lpp gene of Escherichia coli", Nucleic Acids Research 13(9):3101-3110. | |
| | BK | Janknecht et al, 1991, "Rapid and efficient purification of native histidine-tagged protein expressed by recombinant vaccinia virus", PNAS 88:8972-8976. | |
| | BL | Kohler & Milstein, 1975, "Continuous cultures of fused cells secreting antibody of predefined specificity", Nature 256:495-497. | |
| | BM | Lakso et al, 1992, "Targeted oncogene activation by site-specific recombination in transgenic mice", Proc. Natl. Acad. Sci. USA 89:6232-6236. | |
| | BN | Lavitrano et al, 1989, "Sperm Cells and Vectors for Introducing Foreign DNA into Eggs: Genetic Transformation of Mice", Cell 57:717-723. | |
| ↓ | BO | Lo, 1983, "Transformation by Iontophoretic Microinjection of DNA: Multiple Integrations without Tandem Insertions", Mol. & Cell. Biology 3(10):1803-1814. | |

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| Examiner Signature |  | Date Considered | 3/4/03 |
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT NOV 29 2001 (use as many sheets as necessary) | | Application Number | 09/893,321 |
| | | Filing Date | 06/27/01 |
| | | First Named Inventor | Walke |
| | | Group Art Unit | 4653-1647 |
| | | Examiner Name | To be assigned - LANDSMAN |
| | | Attorney Docket Number | LEX-0195-USA |
| Sheet | of | 3 | |

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | | |
|---|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| BL | BP | Logan et al, 1984, "Adenovirus tripartite leader sequence enhances translation of mRNAs late after infection", Proc. Natl. Acad. Sci. USA 81:3655-3659. | |
| | BQ | Lowy et al, 1980, "Isolation of Transforming DNA: Cloning the Hamster apt Gene", Cell 22:817-823. | |
| | BR | Morrison et al, 1984, "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains", Proc. Natl. Acad. Sci. USA 81:6851-6855. | |
| | BS | Mulligan & Berg, 1981, "Selection for animal cells that express the Escherichia coli gene coding for xanthine-guanine phosphoribosyltransferase", Proc. Natl. Acad. Sci. USA 78(4):2072-2076. | |
| | BT | Neuberger et al, 1984, "Recombinant antibodies possessing novel effector functions", Nature 312:604-608. | |
| | BU | Nisonoff, 1991, "Idiotypes: Concepts and Applications", J. of Immunology 147:2429-2438. | |
| | BV | O'Hare et al, 1981, "Transformation of mouse fibroblasts to methotrexate resistance by a recombinant plasmid expressing a prokaryotic dihydrofolate reductase", Proc. Natl. Acad. Sci. USA 78(3):1527-1531. | |
| | BW | Ruther et al, 1983, "Easy identification of cDNA clones", EMBO Journal 2(10):1791-1794. | |
| | BX | Santerre et al, 1984, "Expression of prokaryotic genes for hygromycin B and G418 resistance as dominant-selection markers in mouse L cells", Gene 30:147-156. | |
| | BY | Sarin et al, 1988, "Inhibition of acquired immunodeficiency syndrome virus by oligodeoxynucleoside methylphosphonates", Proc. Natl. Acad. Sci. USA 85:7448-7451. | |
| | BZ | Smith et al, 1983, "Molecular Engineering of the Autographa californica Nuclear Polyhedrosis Virus Genome: Deletion Mutations within the Polyhedrin Gene", J. Virol. 46(2):584-593. | |
| | CA | Stein et al, 1988, "Physicochemical properties of phosphorothioate oligodeoxynucleotides", Nucleic Acids Research 16(8):3209-3221. | |
| | CB | Szybalska & Szybalski, 1962, "Genetics of Human Cell Lines, IV. DNA-Mediated Heritable Transformation of a Biochemical Trait", Proc. Natl. Acad. Sci. USA 48:2026-2034. | |
| | CC | Takeda et al, 1985, "Construction of chimaeric processed immunoglobulin genes containing mouse variable and human constant region sequences", Nature 314:452-454. | |
| | CD | Thompson et al, 1989, "Germ Line Transmission and Expression of a Corrected HPRT Gene Produced by Gene Targeting in Embryonic Stem Cells", Cell 56:313-321. | |
| | CE | Van Der Putten et al, 1985, "Efficient insertion of genes into the mouse germ line via retroviral vectors", Proc. Natl. Acad. Sci. USA 82:6148-6152. | |
| | CF | Van Heeke et al, 1989, "Expression of Human Asparagine Synthetase in Escherichia coli", J. Biol. Chemistry 264(10):5503-5509. | |
| | CG | Ward et al, 1989, "Binding activities of a repertoire of single immunoglobulin variable domains secreted from Escherichia coli", Nature 341:544-546. | |
| | CH | Wigler et al, 1977, "Transfer of Purified Herpes Virus Thymidine Kinase Gene to Cultured Mouse Cells", Cell 11:223-232. | |
| | CI | Wigler et al, 1980, "Transformation of mammalian cells with an amplifiable dominant-acting gene", Proc. Natl. Acad. Sci. USA 77(6):3567-3570. | |

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| Examiner Signature | <i>[Signature]</i> | Date Considered | 3/4/03 |
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| Application Number | 09/893,321 |
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| Filing Dat | 06/27/01 |
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| First Named Inventor | Walker |
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| Group Art Unit | 4659-1647 |
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| Examiner Name | To be assigned <u>LANDSMAN</u> |
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Attorney Docket Number | LEX-0195-USA

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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| Examiner Signature |  | Date Considered | 3/4/03 |
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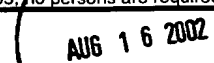
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